

SEQUENCE LISTING

<110> Yue, Henry
 Corley, Neil C.
 Guegler, Karl J.
 Gorgone, Gina A.
 Baughn, Mariah R.

<120> CELL SURFACE GLYCOPROTEINS

<130> PF-0631 US

<140> To Be Assigned

<141> Herewith

<160> 6

<170> PERL Program

<210> 1
 <211> 195
 <212> PRT
 <213> Homo sapiens

<220> -
 <223> 2297891

<400> 1

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Leu	Met	His	Ala	Arg	Gly	Gln	Arg	Asp	Phe	Asp	Leu	Ala	Asp	Ala	
				20					25					30	
Leu	Asp	Asp	Pro	Glu	Pro	Thr	Lys	Lys	Pro	Asn	Ser	Asp	Ile	Tyr	
				35					40					45	
Pro	Lys	Pro	Lys	Pro	Pro	Tyr	Tyr	Pro	Gln	Pro	Glu	Asn	Pro	Asp	
				50					55					60	
Ser	Gly	Gly	Asn	Ile	Tyr	Pro	Arg	Pro	Lys	Pro	Arg	Pro	Gln	Pro	
				65					70					75	
Gln	Pro	Gly	Asn	Ser	Gly	Asn	Ser	Gly	Gly	Tyr	Phe	Asn	Asp	Val	
				80					85					90	
Asp	Arg	Asp	Asp	Gly	Arg	Tyr	Pro	Pro	Arg	Pro	Arg	Pro	Arg	Pro	
				95					100					105	
Pro	Ala	Gly	Gly	Gly	Gly	Gly	Gly	Tyr	Ser	Ser	Tyr	Gly	Asn	Ser	
				110					115					120	
Asp	Asn	Thr	His	Gly	Arg	Gly	Gly	Tyr	Arg	Pro	Asn	Ser	Arg	Tyr	
				125					130					135	
Gly	Asn	Thr	Tyr	Gly	Gly	Asp	His	His	Ser	Thr	Tyr	Gly	Asn	Pro	
				140					145					150	
Glu	Gly	Asn	Met	Val	Ala	Lys	Ile	Val	Ser	Pro	Ile	Val	Ser	Val	
				155					160					165	
Val	Val	Val	Thr	Leu	Leu	Gly	Ala	Ala	Ala	Ser	Tyr	Phe	Lys	Leu	
				170					175					180	
Asn	Asn	Arg	Arg	Asn	Cys	Phe	Arg	Thr	His	Glu	Pro	Glu	Asn	Val	
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<210> 2

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<212> PRT

<213> Homo sapiens

<220> -

<223> 2705267

<400> 2

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Leu Asp Gly Phe Arg Ser Asp Tyr Ile Ser Asp Glu Ala Leu Glu
35 40 45
Ser Leu Pro Gly Phe Lys Glu Ile Val Ser Arg Gly Val Lys Val
50 55 60
Asp Tyr Leu Thr Pro Asp Phe Pro Ser Leu Ser Tyr Pro Asn Tyr
65 70 75
Tyr Thr Leu Met Thr Gly Arg His Cys Glu Val His Gln Met Ile
80 85 90
Gly Asn Tyr Met Trp Asp Pro Thr Thr Asn Lys Ser Phe Asp Ile
95 100 105
Gly Val Asn Lys Asp Ser Leu Met Pro Leu Trp Trp Asn Gly Ser
110 115 120
Glu Pro Leu Trp Val Thr Leu Thr Lys Ala Lys Arg Lys Val Tyr
125 130 135
Met Tyr Tyr Trp Pro Gly Cys Glu Val Glu Ile Leu Gly Val Arg
140 145 150
Pro Thr Tyr Cys Leu Glu Tyr Lys Asn Val Pro Thr Asp Ile Asn
155 160 165
Phe Ala Asn Ala Val Ser Asp Ala Leu Asp Ser Phe Lys Ser Gly
170 175 180
Arg Ala Asp Leu Ala Ala Ile Tyr His Glu Arg Ile Asp Val Glu
185 190 195
Gly His His Tyr Gly Pro Ala Ser Pro Gln Arg Lys Asp Ala Leu
200 205 210
Lys Ala Val Asp Thr Val Leu Lys Tyr Met Thr Lys Trp Ile Gln
215 220 225
Glu Arg Gly Leu Gln Asp Arg Leu Asn Val Ile Ile Phe Ser Asp
230 235 240
His Gly Met Thr Asp Ile Phe Trp Met Asp Lys Val Ile Glu Leu
245 250 255
Asn Lys Tyr Ile Ser Leu Asn Asp Leu Gln Gln Val Lys Asp Arg
260 265 270
Gly Pro Val Val Ser Leu Trp Pro Ala Pro Gly Lys His Ser Glu
275 280 285
Ile Tyr Asn Lys Leu Ser Thr Val Glu His Met Thr Val Tyr Glu
290 295 300
Lys Glu Ala Ile Pro Ser Arg Phe Tyr Tyr Lys Lys Gly Lys Phe
305 310 315
Val Ser Pro Leu Thr Leu Val Ala Asp Glu Gly Trp Phe Ile Thr
320 325 330
Glu Asn Arg Glu Met Leu Pro Phe Trp Met Asn Ser Thr Gly Arg
335 340 345
Arg Glu Gly Trp Gln Arg Gly Trp His Gly Tyr Asp Asn Glu Leu
350 355 360
Met Asp Met Arg Gly Ile Phe Leu Thr Leu Gly Pro Gly Arg Arg
365 370 375
Gly Asn Asp Gln Met Leu Ser Asp Pro Ile Pro Lys Glu Val Ser

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	380		385		390
Leu Arg Gly Pro	Thr Gly Ala Arg Arg	Gly Cys Arg Asp Phe	Leu		
	395		400		405
Thr Asp Pro Leu	Tyr Glu Pro Ser Arg	Ala Asn Pro Ala Gly	Leu		
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His Glu Thr Ser	Phe Ala Gly Phe Leu	Ser Asn Ala Ser Trp	Val		
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Trp Gln Met					

<210> 3
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<212> DNA
<213> Homo sapiens

<220> -
<223> 2297891

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gagtccactg	aggttcttgc	atcctgaagc	aaaccatgga	gagctgggtg	ggacttcctt	300
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<212> DNA
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<220> -
<223> 2705267

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gttttcgctc	agactacatc	agtgatgagg	cgctggagtc	attgcctggt	ttcaaagaga	240
ttgtgagcag	gggagtaaaa	gtggattact	tgactccaga	cttccttagt	ctctcgatatc	300
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actgcctaga	atataaaaaat	gtcccaacg	atatcaattt	tgccaatgca	gtcagcgatg	600
ctcttgactc	cttcaagagt	ggccggggccg	acctggcagc	catataccat	gagcgcattg	660
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<223> g2499136

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Leu Asp Asp Pro Glu Pro Thr Lys Lys Pro Asn Ser Asp Ile Tyr
35 40 45
Pro Lys Pro Lys Pro Pro Tyr Tyr Pro Gln Pro Glu Asn Pro Asp
50 55 60
Ser Gly Gly Asn Ile Tyr Pro Arg Pro Lys Pro Arg Pro Gln Pro
65 70 75
Gln Pro Gly Asn Ser Gly Asn Ser Gly Gly Tyr Phe Asn Asp Val
80 85 90
Asp Arg Asp Asp Gly Arg Tyr Pro Pro Arg Pro Arg Pro Arg Pro
95 100 105
Pro Ala Gly Gly Gly Gly Gly Gly Tyr Ser Ser Tyr Gly Asn Ser
110 115 120
Asp Asn Thr His Gly Gly Asp His His Ser Thr Tyr Gly Asn Pro
125 130 135
Glu Gly Asn Met Val Ala Lys Ile Val Ser Pro Ile Val Ser Val
140 145 150
Val Val Val Thr Leu Leu Gly Ala Ala Ser Tyr Phe Lys Leu
155 160 165
Asn Asn Arg Arg Asn Cys Phe Arg Thr His Glu Pro Glu Asn Val
170 175 180

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<211> 873
<212> PRT
<213> Homo sapiens

<220> -
<223> g189650

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Thr Ala Lys Asp Pro Asn Thr Tyr Lys Val Leu Ser Leu Val Leu

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Ser Val Cys Val	20	25	30
Leu Thr Thr Ile Leu Gly Cys Ile Phe Gly Leu	35	40	45
Lys Pro Ser Cys Ala Lys Glu Val Lys Ser Cys Lys Gly Arg Cys	50	55	60
Phe Glu Arg Thr Phe Gly Asn Cys Arg Cys Asp Ala Ala Cys Val	65	70	75
Glu Leu Gly Asn Cys Cys Leu Asp Tyr Gln Glu Thr Cys Ile Glu	80	85	90
Pro Glu His Ile Trp Thr Cys Asn Lys Phe Arg Cys Gly Glu Lys	95	100	105
Arg Leu Thr Arg Ser Leu Cys Ala Cys Ser Asp Asp Cys Lys Asp	110	115	120
Lys Gly Asp Cys Cys Ile Asn Tyr Ser Ser Val Cys Gln Gly Glu	125	130	135
Lys Ser Trp Val Glu Glu Pro Cys Glu Ser Ile Asn Glu Pro Gln	140	145	150
Cys Pro Ala Gly Phe Glu Thr Pro Pro Thr Leu Leu Phe Ser Leu	155	160	165
Asp Gly Phe Arg Ala Glu Tyr Leu His Thr Trp Gly Gly Leu Leu	170	175	180
Pro Val Ile Ser Lys Leu Lys Lys Cys Gly Thr Tyr Thr Lys Asn	185	190	195
Met Arg Pro Val Tyr Pro Thr Lys Thr Phe Pro Asn His Tyr Ser	200	205	210
Ile Val Thr Gly Leu Tyr Pro Glu Ser His Gly Ile Ile Asp Asn	215	220	225
Lys Met Tyr Asp Pro Lys Met Asn Ala Ser Phe Ser Leu Lys Ser	230	235	240
Lys Glu Lys Phe Asn Pro Glu Trp Tyr Lys Gly Glu Pro Ile Trp	245	250	255
Val Thr Ala Lys Tyr Gln Gly Leu Lys Ser Gly Thr Phe Phe Trp	260	265	270
Pro Gly Ser Asp Val Glu Ile Asn Gly Ile Phe Pro Asp Ile Tyr	275	280	285
Lys Met Tyr Asn Gly Ser Val Pro Phe Glu Glu Arg Ile Leu Ala	290	295	300
Val Leu Gln Trp Leu Gln Leu Pro Lys Asp Glu Arg Pro His Phe	305	310	315
Tyr Thr Leu Tyr Leu Glu Glu Pro Asp Ser Ser Gly His Ser Tyr	320	325	330
Gly Pro Val Ser Ser Glu Val Ile Lys Ala Leu Gln Arg Val Asp	335	340	345
Gly Met Val Gly Met Leu Met Asp Gly Leu Lys Glu Leu Asn Leu	350	355	360
His Arg Cys Leu Asn Leu Ile Leu Ile Ser Asp His Gly Met Glu	365	370	375
Gln Gly Ser Cys Lys Lys Tyr Ile Tyr Leu Asn Lys Tyr Leu Gly	380	385	390
Asp Val Lys Asn Ile Lys Val Ile Tyr Gly Pro Ala Ala Arg Leu	395	400	405
Arg Pro Ser Asp Val Pro Asp Lys Tyr Tyr Ser Phe Asn Tyr Glu	410	415	420
Gly Ile Ala Arg Asn Leu Ser Cys Arg Glu Pro Asn Gln His Phe	425	430	435
Lys Pro Tyr Leu Lys His Phe Leu Pro Lys Arg Leu His Phe Ala	440	445	450
Lys Ser Asp Arg Ile Glu Pro Leu Thr Phe Tyr Leu Asp Pro Gln	455	460	465
Trp Gln Leu Ala Leu Asn Pro Ser Glu Arg Lys Tyr Cys Gly Ser			

	470		475		480
Gly Phe His Gly	Ser Asp Asn Val Phe	Ser Asn Met Gln Ala Leu			
	485		490		495
Phe Val Gly Tyr	Gly Pro Gly Phe Lys	His Gly Ile Glu Ala Asp			
	500		505		510
Thr Phe Glu Asn	Ile Glu Val Tyr Asn	Leu Met Cys Asp Leu Leu			
	515		520		525
Asn Leu Thr Pro	Ala Pro Asn Asn Gly	Thr His Gly Ser Leu Asn			
	530		535		540
His Leu Leu Lys	Asn Pro Val Tyr Thr	Pro Lys His Pro Lys Glu			
	545		550		555
Val His Pro Leu	Val Gln Cys Pro Phe	Thr Arg Asn Pro Arg Asp			
	560		565		570
Asn Leu Gly Cys	Ser Cys Asn Pro Ser	Ile Leu Pro Ile Glu Asp			
	575		580		585
Phe Gln Thr Gln	Phe Asn Leu Thr Val	Ala Glu Glu Lys Ile Ile			
	590		595		600
Lys His Glu Thr	Leu Pro Tyr Gly Arg	Pro Arg Val Leu Gln Lys			
	605		610		615
Glu Asn Thr Ile	Cys Leu Leu Ser Gln	His Gln Phe Met Ser Gly			
	620		625		630
Tyr Ser Gln Asp	Ile Leu Met Pro Leu	Trp Thr Ser Tyr Thr Val			
	635		640		645
Asp Arg Asn Asp	Ser Phe Ser Thr Glu	Asp Phe Ser Asn Cys Leu			
	650		655		660
Tyr Gln Asp Phe	Arg Ile Pro Leu Ser	Pro Val His Lys Cys Ser			
	665		670		675
Phe Tyr Lys Asn	Asn Thr Lys Val Ser	Tyr Gly Phe Leu Ser Pro			
	680		685		690
Pro Gln Leu Asn	Lys Asn Ser Ser Gly	Ile Tyr Ser Glu Ala Leu			
	695		700		705
Leu Thr Thr Asn	Ile Val Pro Met Tyr	Gln Ser Phe Gln Val Ile			
	710		715		720
Trp Arg Tyr Phe	His Asp Thr Leu Leu	Arg Lys Tyr Ala Glu Glu			
	725		730		735
Arg Asn Gly Val	Asn Val Val Ser Gly	Pro Val Phe Asp Phe Asp			
	740		745		750
Tyr Asp Gly Arg	Cys Asp Ser Leu Glu	Asn Leu Arg Gln Lys Arg			
	755		760		765
Arg Val Ile Arg	Asn Gln Glu Ile Leu	Ile Pro Thr His Phe Phe			
	770		775		780
Ile Val Leu Thr	Ser Cys Lys Asp Thr	Ser Gln Thr Pro Leu His			
	785		790		795
Cys Glu Asn Leu	Asp Thr Leu Ala Phe	Ile Leu Pro His Arg Thr			
	800		805		810
Asp Asn Ser Glu	Ser Cys Val His Gly	Lys His Asp Ser Ser Trp			
	815		820		825
Val Glu Glu Leu	Leu Met Leu His Arg	Ala Arg Ile Thr Asp Val			
	830		835		840
Glu His Ile Thr	Gly Leu Ser Phe Tyr	Gln Gln Arg Lys Glu Pro			
	845		850		855
Val Ser Asp Ile	Leu Lys Leu Lys Thr	His Leu Pro Thr Phe Ser			
	860		865		870
Gln Glu Asp					